NC/QC/W-13/2019-20/BA-PCC2 Date: 06-09-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing CC Camera at Santhosh Nagara,Prashanth Nagara, Kalyan Nagara pipeline and other area block spots in Mallasandra ward no.13 Shettyhalli Sub Division.}

Ref.: Material testing/W-13/QC/19-20,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	100.00	100.00
20mm	97.40	85-100	95 - 100
10mm	29.10	0 - 20	25 - 55
4.75mm	8.55	0 - 5	0 - 10

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.30	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	86.95	60-95	75-100	85-100	
01.18	61.40	30-70	55-90	75-100	
600.mic	42.15	15-34	35-59	60-79	
300.mic	24.70	5-20	8-30	12-40	
150.mic	7.95	0-10	0-10	0-10	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
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NC/QC/W-13/2019-20/BA-C2

Date: 06-09-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing CC Camera at Santhosh Nagara,Prashanth Nagara, Kalyan Nagara pipeline and other area block spots in Mallasandra ward no.13 Shettyhalli Sub Division.}
Ref.: Material testing/W-13/QC/19-20,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**168 min**	Shall not be less than 30 min
2	Final setting time	**271 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.94 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.88 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**29.17 N/Sq mm**	Shall not be less than 27 N/Sqmm

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ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

For Newzen Consultants Bangalore
Proprietor

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NC/QC/W-13/2019-20/BA-PCC1 Date: 28-08-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing CC Camera at Santhosh Nagara,Prashanth Nagara, Kalyan Nagara pipeline and other area block spots in Mallasandra ward no.13 Shettyhalli Sub Division.}

Ref.: Material testing/W-13/QC/19-20,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	100.00	100.00
20mm	**98.35**	85-100	95 - 100
10mm	**42.80**	0 - 20	25 - 55
4.75mm	**6.10**	0 - 5	0 - 10

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.70**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.45**	60-95	75-100	85-100	
01.18	**64.20**	30-70	55-90	75-100	
600.mic	**46.95**	15-34	35-59	60-79	
300.mic	**19.60**	5-20	8-30	12-40	
150.mic	**7.55**	0-10	0-10	0-10	

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For Newzen Consultants Bangalore
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NC/QC/W-13/2019-20/BA-C1 Date: 28-08-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing CC Camera at Santhosh Nagara,Prashanth Nagara, Kalyan Nagara pipeline and other area block spots in Mallasandra ward no.13 Shettyhalli Sub Division.}

Ref.: Material testing/W-13/QC/19-20,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**171 min**	Shall not be less than 30 min
2	Final setting time	**258 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.83 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.07 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**29.39 N/Sq mm**	Shall not be less than 27 N/Sqmm

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ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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